

WHAT IS CLAIMED IS:

1. A method of molding a ceramic sheet using a molding apparatus having an extruder of screw type and a mold arranged at the forward end portion of the extruder, wherein the ceramic material introduced into the extruder is molded into a sheet by extrusion from the mold, and wherein the mold with the ceramic material passing therethrough is divided into a plurality of transverse areas, for each of which the temperature is regulated in the process of extrusion molding.
2. A method for molding a ceramic sheet according to claim 1, in which the correlation data on the molding rate of ceramic sheet to be extrusion molded is obtained by measurement for the portion of the ceramic sheet corresponding to each area of the mold, and the temperature is regulated based on the correlation data on the molding rate thus obtained.
3. A method for molding a ceramic sheet according to claim 1, wherein the outer diameter d of the screw built in the extruder and the width W of the ceramic sheet hold the relation $W \geq 3d$.
4. A method for molding a ceramic sheet according to claim 1, wherein the outer diameter d of the screw built in the extruder and the width W of the ceramic sheet may hold the relation $W \geq 5d$.
5. A method for molding a ceramic sheet according to claim 1, wherein the outer diameter d of the screw built in the extruder is not more than 70 mm.
6. A method for molding a ceramic sheet according to claim 1, wherein the thickness of the ceramic sheet is not more than 1.5 mm.
7. A method for molding a ceramic sheet according to claim 1, wherein the thickness of the ceramic sheet is not more than 300 μm .
8. A method for molding a ceramic sheet according to claim 1, wherein the mold includes a plurality of

0909543 062804
F00299 852680

5

5

10

15

18. An apparatus for molding a ceramic sheet according to claim 9, wherein said mold includes a rectification plate arranged in retractable manner for changing the flow resistance of the ceramic material.